



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/061,619	02/01/2002	Mike C. Robinson	100200201-1	1616

7590

04/08/2005

HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, CO 80527-2400

EXAMINER

ARTHUR JEANGLAUDE, GERTRUDE

ART UNIT	PAPER NUMBER
----------	--------------

2144

DATE MAILED: 04/08/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/061,619

Applicant(s)

ROBINSON ET AL.

Examiner

Gertrude Arthur-Jeanglaude

Art Unit

2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 01 February 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-51 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-51 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 01 February 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

Claim 25 is objected to because of the following informalities: a period is required after the word "Talk" to indicate the end of the claim. Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 2, 4-5, 7, 9 -10, 12-14, 16-17, 41-42, 44-45 are rejected under 35 U.S.C. 102(e) as being anticipated by Bowman-Amuah (U.S. Pub no. 20030058277).

As to claims 1, 13, 41, Bowman-Amuah discloses a method and system and computer readable media having computer readable code for initialization of secure communication between a network resource and a client via a network, comprising: receiving an access at a network resource from a management application of a client; in response to the access, generating configuration parameters for initializing secure communication with the client via the network; printing security configuration information showing the configuration parameters, the security configuration information for

Art Unit: 2144

enabling manual input of the configuration parameters into the management application; and implementing secure communication with the management application in accordance with the configuration parameters (See paragraph 0886, 0933, 1047).

As to claims 2, 14, 42, Bowman-Amuah discloses the network resource is a print server and the security configuration information is printed using a printer coupled to the print server (See paragraph 1047).

As to claims 4, 9, 16, 44, Bowman-Amuah discloses generating random security parameters to generate the configuration parameters for initializing the secure communication with the client (see paragraph 0886).

As to claims 5, 10, 17, 45, Bowman-Amuah discloses setting a security configuration print page object in response to receiving the access from the management application (See paragraph 1047).

As to claim 7, Bowman-Amuah discloses a network resource system for initializing secure communication with a client via a network, (See paragraph 0886) comprising: a printer; and a network device coupled to the printer, the network device coupled to the network for communication with a client, the network device having a computer system including a memory storing computer readable code which when executed by the computer system cause the network device to implement a method comprising: generating configuration parameters for initializing secure communication with the client via the network in response to an access request from the client; issuing a print command to the printer to print a security configuration page showing the configuration parameters, the security configuration page for enabling manual input of

Art Unit: 2144

the configuration parameters into a management application of the client; and implementing secure communication with the management application in accordance with the configuration parameters (See paragraph 1047 1431, 1435).

As to claim 12, Bowman-Amuah discloses the network device is a print server (See paragraph 1047).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 3, 6, 8, 11, 15, 18, 19-25, 43, 46, are rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman-Amuah (U.S. Pub no. 20030058277) in view of the applicant's admitted prior art in the background invention.

As to claims 3, 6, 8, 11, 15, 18, 43, 46, Bowman-Amuah discloses all but fails to specifically disclose the secure communication is in accordance with a version of SNMPV3 standards. In an analogous art, the applicant admitted prior art in the background of the invention disclose the use of a SNMPV3 for the purpose of securing communication (See specification page 4, lines 13-27). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman-Amuah with that of the applicant admitted prior art in the background art by having a SNMPV3 in order to provide secure communication.

As to claim 19, Bowman-Amuah discloses a network resource system for initializing secure communication with a client via a network, comprising: a network interface for receiving an access via a network from a management application of a client; generating configuration parameters for initializing secure communication with the client via the network in response to the access; printing security configuration information showing the configuration parameters, the security configuration information for enabling manual input of the configuration parameters into the management application; and implementing secure communication (See paragraph 0886, 0933, 1047). However, Bowman-Amuah fail to specifically disclose the SNMP daemon. In an analogous art, the applicant admitted prior art in the background of the invention disclose the use of a SNMPV3 for the purpose of securing communication (See specification page 4, lines 13-27). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of the applicant admitted prior art in the background art by having a SNMPV3 in order to provide secure communication.

As to claim 20, the applicant's admitted prior art discloses SNMP (See specification page 4, lines 13-27) wherein it would have been obvious to have an SNMP user table within a data structure of the network resource, the SNMP user table for access by the SNMP daemon and configured to store a user account created in accordance with the configuration parameters in order to provide secure communication.

As to claim 21, Bowman-Amuah discloses the network resource is a print server (See paragraph 1047).

As to claim 22, Bowman-Amuah discloses all but fails to specifically disclose the SNMP daemon is configured to implement secure communication in accordance with a version of SNMPV3 standards. In an analogous art, the applicant admitted prior art in the background of the invention disclose the use of a SNMPV3 for the purpose of securing communication (See specification page 4, lines 13-27). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of the applicant admitted prior art in the background art by having a SNMPV3 in order to provide secure communication.

As to claim 23, Bowman-Amuah discloses all but fails to specifically disclose the SNMP daemon is configured to generate random security parameters in order to generate the configuration parameters for initializing the secure communication. In an analogous art, the applicant admitted prior art in the background of the invention disclose the use of a SNMP for the purpose of securing communication (See specification page 4, lines 13-27). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of the applicant admitted prior art in the background art by having a SNMP daemon in order to provide secure communication.

As to claims 24-25, Bowman-Amuah discloses the network interface includes a plurality of interface components for interfacing with a corresponding plurality of network

communication protocols wherein the network communication protocols include TCP/IP, IPX, and the like (see paragraph 1168).

Claims 26-40, 47-51, are rejected under 35 U.S.C. 103(a) as being unpatentable over Bowman-Amuah (U.S. Pub no. 20030058277) in view of Nyman et al. (U.S. Pub No. 20030037033).

As to claims 26, 31, 36, 47, Bowman-Amuah discloses a method for initialization of secure communication between a network resource and a client via a network access point, comprising: receiving an access at a network resource from a management application of a client; in response to the access, generating a security key for initializing secure communication with the client via an access point; printing a security configuration page showing the security key, the security configuration page for enabling manual input of the security key into the management application; receiving an encrypted access in accordance with the security key from the management application to configure infrastructure mode parameters for the access point; and implementing secure communication with the management application in accordance with the security key via the access point in infrastructure mode (See paragraph 0886, 0933, 1047). However, Bowman-Amuah fails to specifically disclose the wireless and ad hoc access. In an analogous art, Nyman et al. discloses a naming distributing method for ad hoc networks wherein it discloses a wireless access point in infrastructure mode (See paragraph 0005, 0027, 0034). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of

Art Unit: 2144

Bowman_Amuah with that of Nyman et al. by having a wireless access point and an ad hoc network in order to provide short range communication.

As to claims 27, 32, 37, 48, Bowman-Amuah discloses the network resource is a print server and the security configuration page is printed using a printer coupled to the print server (See paragraph 1047).

As to claims 28, 33, 38, 49, Bowman-Amuah discloses all but fails to specifically disclose the secure communication is in accordance with a version of 802.11 standards. In an analogous art, Nyman et al. discloses a naming distributing method for ad hoc networks wherein it discloses a secure communication is in accordance with a version of 802.11 (See paragraph 0014). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of Nyman et al. by having a secure communication in accordance with a version of 802.11 in order to provide short range communication.

As to claims 29, 34, 39, 50, Bowman-Amuah discloses all but fails to specifically disclose the security key is a randomly generated 802.11 Wired Equivalent Privacy key for initializing the secure communication with the client. In an analogous art, Nyman et al. discloses a naming distributing method for ad hoc networks wherein it discloses the security key is a randomly generated 802.11 Wired Equivalent Privacy key for initializing the secure communication with the client (See paragraph 0005, 0027, 0034). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of Nyman et al. by having a security key as a

Art Unit: 2144

randomly generated 802.11 Wired Equivalent Privacy key for initializing the secure communication with the client in order to provide wireless communication.

As to claims 30, 35, 40, 51, Bowman-Amuah discloses all but fails to specifically disclose setting a 802.11 security configuration print page object in response to receiving the ad hoc access from the management application. In an analogous art, Nyman et al. discloses a naming distributing method for ad hoc networks wherein it discloses setting a 802.11 security configuration print page object in response to receiving the ad hoc access from the management application (See paragraph 0003 0005, 0027, 0034). It would have been obvious to one of ordinary skill in the art at the time of the invention to modify the system of Bowman_Amuah with that of Nyman et al. by setting a 802.11 security configuration print page object in response to receiving the ad hoc access from the management application in order to provide wireless communication.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bowman-Amuah (U.S. Patent No. 6,438,594)

Zorn et al. (U.S. Pub No. 20040019786)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gertrude Arthur-Jeanglaude whose telephone number is

Art Unit: 2144

(571) 272-6954. The examiner can normally be reached on Monday-Friday from 8:30 a.m. to 6:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Cuchlinski can be reached on (571) 272-3925. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

GAJ

GAJ

March 30, 2005

Gertrude A. Jeanglaude
GERTRUDE A. JEANGLAUDE
PRIMARY EXAMINER